

NAFOL 20+

Version: 5.00

Date of first issue: 2009/05/14

Revision Date: 2023/04/11

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	NAFOL 20+
REACH No.	01-2119565133-44-0000
Substance name (REACH / CLP):	Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	Industrial use, Defoamer
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg Germany
	Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety)	E-mail: msds-info.germany@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+44 1235 239670	Europe
	+44 1235 239671	Middle East, Africa
	+1 215 207 0061	North America, South America
	+65 3158 1074	Asia Pacific Region
	+44 1865 407333	Global (english)

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

2.3 Other hazards

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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

This product is a substance in the meaning of regulation (EC) 1907/2006.

CHEMICAL CHARACTERIZATION

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

component type: Active ingredient

EC-No.: 642-362-8

Index-No.:

CAS-No.: 1190630-03-5

REACH No.: 01-2119565133-44-0000

Substance name (REACH / CLP): Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

No hazardous ingredients

For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

Other data

Synonyms: Alcohols, C16-18, distillation residues (CAS-Nr.: 68603-17-8)

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

If you feel unwell, seek medical advice (show the label where possible). Take off all contaminated clothing immediately.

If inhaled

Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.

In case of skin contact

Wash off immediately with plenty of water. Consult a physician if necessary.

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In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Protect unharmed eye.
If swallowed	Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Risks	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	Water spray, Dry powder, Foam, Carbon dioxide (CO ₂)
Unsuitable extinguishing media	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Dangerous gases or fumes may occur in case of fire.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	Use personal protective equipment.
Special precautions	Forms slippery/greasy layers with water.

6.2 Environmental precautions

Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Use mechanical handling equipment. The material taken up must be disposed of in accordance with regulations. Molten form Allow to solidify, use mechanical handling equipment.
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6.4 Reference to other sections

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For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling	Wear personal protective equipment.
Advice on protection against fire and explosion	No special protective measures against fire required.
Fire-fighting class	B: Fires involving liquids or liquid containing substances. Also includes substances which become liquid at elevated temperatures.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	No special storage conditions required.
Further information on storage conditions	Protect from frost, heat and sunlight.
Other data	Stable at normal ambient temperature and pressure.

7.3 Specific end use(s)

Specific use(s)	This information is not available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

Contains no substances with occupational exposure limit values.

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.			
End Use	Exposure routes	Value	Note
Workers	dermal, Acute/short-term exposure - systemic effects	125 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	220 mg/m3	
	dermal, Acute/short-term exposure - local effects		Not relevant / Not applicable
	Inhalation, Acute/short-term exposure -		Not relevant / Not

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	local effects		applicable
	dermal, long-term exposure - systemic effects	125 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	220 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / Not applicable
	Inhalation, long-term exposure - local effects		Not relevant / Not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, Acute/short-term exposure - systemic effects	65 mg/m3	
	Oral, Acute/short-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, Acute/short-term exposure - local effects		Not relevant / Not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / Not applicable
	dermal, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	65 mg/m3	
	Oral, long-term exposure - systemic effects	75 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		Not relevant / Not applicable
	Inhalation, long-term exposure - local effects		Not relevant / Not applicable

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.		
Environmental Compartment	Value	Note
Fresh water	0.00156 mg/l	
Marine water	0.000156 mg/l	
intermittent release		Not relevant / Not applicable
Sewage treatment plant	0.000027 mg/l	
Fresh water sediment		Not relevant / Not applicable
Marine sediment		Not relevant / Not applicable
Soil		Not relevant / Not applicable
food		Not relevant / Not applicable

8.2 Exposure controls**ENGINEERING MEASURES**

Provide sufficient air exchange and/or exhaust in work rooms.

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PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.
Hand protection	Material: Nitrile rubber/nitrile latex Break through time: >= 480 min Glove thickness: 0.35 mm Material: butyl-rubber Break through time: >= 480 min Glove thickness: 0.5 mm The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
Eye protection	Goggles
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingsuffs.
Protective measures	Avoid contact with eyes.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Physical state: solid; 20 °C; 1,013 hPaPhysical state: solid; 20 °C; 1,013 hPa Shape: waxy
Colour	yellow
Odour	characteristic
Odour Threshold	No data available
Melting point/range	ca. 53 - 61 °C

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Boiling point/boiling range	ca. > 350 °C
Flammability	not auto-flammable
Upper explosion limit	Not applicable Justification: Solid
Lower explosion limit	Not applicable Justification: Solid
Flash point	ca. 210 °C; DIN 51758
Auto-ignition temperature	ca. 225 °C
Decomposition temperature	Stable under normal conditions.
pH	Not applicable, Justification: insoluble
Viscosity	
Viscosity, dynamic	Not applicable, Justification: Solid
Solubility(ies)	
Water solubility	insoluble
Partition coefficient: n-octanol/water	No data available
Vapour pressure	ca. < 1 hPa; 20 °C
Relative density	No data available
Density	ca.0.8 g/cm ³ ; 80 °C; DIN 51757
Relative vapour density	Not relevant / Not applicable, Justification: Solid
9.2 Other information	
Explosives	Constituents do not contain chemical groups associated with explosivity.
Oxidizing properties	not expected based on structure and functional groups
Self-ignition	not auto-flammable
Evaporation rate	Not relevant / Not applicable Justification: Solid

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Note Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions Incompatible with oxidizing agents.
Hazardous decomposition products formed under fire conditions.

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10.4 Conditions to avoid

Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
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10.5 Incompatible materials to avoid

Materials to avoid	Strong oxidizing agents;
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10.6 Hazardous decomposition products

Hazardous decomposition products	No decomposition if stored and applied as directed.
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Thermal decomposition	Stable under normal conditions.
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SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Not classified based on available information.

Acute oral toxicity	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> LD50 Rat: > 5,000 mg/kg; OECD Test Guideline 401 Category approach Based on available data, the classification criteria are not met.
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Acute inhalation toxicity	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: Negligible or unlikely exposure pathways
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Acute dermal toxicity	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> LD50 Rabbit: > 5,000 mg/kg; (literature value) Category approach Based on available data, the classification criteria are not met.
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Skin corrosion/irritation

Not classified based on available information.

Skin irritation	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> Rabbit: No skin irritation; OECD Test Guideline 404 (literature value) Category approach Based on available data, the classification criteria are not met.
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Serious eye damage/eye irritation

Not classified based on available information.

Eye irritation	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> Rabbit: No eye irritation; OECD Test Guideline 405 (literature value) Category approach Based on available data, the classification criteria are not met.
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Skin sensitisation / Respiratory sensitisation

Skin contact: Not classified based on available information.

Inhalation: Not classified based on available information.

Sensitisation*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

Maximisation Test Guinea pig: Not a skin sensitizer.; OECD Test Guideline 406 (literature value)

Category approach

Based on available data, the classification criteria are not met.

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:

Respiratory sensitisation :

No data available

Germ cell mutagenicity

Not classified based on available information.

Genotoxicity in vitro*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

In vitro tests did not show mutagenic effects (literature value)

Genotoxicity in vivo*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

In vivo tests did not show mutagenic effects (literature value)

Category approach

Carcinogenicity

Not classified based on available information.

Carcinogenicity*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

This information is not available.

Reproductive toxicity

Not classified based on available information.

Effects on fertility*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

Rat; Oral

No toxicity to reproduction

(literature value)

Category approach

Effects on foetal development*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

Rabbit; Oral

Did not show teratogenic effects in animal experiments.

Category approach

(literature value)

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:

Rat; Oral

Did not show teratogenic effects in animal experiments.

Category approach

(literature value)

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STOT - single exposure

Not classified based on available information.

Assessment*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified based on available information.

Assessment*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

Rat; Oral; 90-day; NOEL: 1000 mg/kg; OECD Test Guideline 408 (literature value)

Aspiration hazard

Not classified based on available information.

Aspiration toxicity*Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*

Not applicable

11.2 Information on other hazards**Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Toxicity to fish***Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*(96 h) Oncorhynchus mykiss (rainbow trout) ; OECD Test Guideline 203
In the range of water solubility not toxic under test conditions.
(literature value)
Category approach**Toxicity to fish - Chronic toxicity***Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*The study is not necessary.
Justification:
Substance is readily biodegradable and has a low aquatic toxicity.**Toxicity to daphnia and other aquatic invertebrates***Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:*(48 h) Daphnia magna (Water flea) ; calculated; Structure-activity relationship (SAR)
In the range of water solubility not toxic under test conditions.

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	(literature value) Category approach
Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: Substance is readily biodegradable and has a low aquatic toxicity.
Toxicity to aquatic plants	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> algae ; calculated; Structure-activity relationship (SAR); In the range of water solubility not toxic under test conditions. (literature value) Category approach
Toxicity to bacteria	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: Readily biodegradable.
Toxicity to soil dwelling organisms	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
Plant toxicity	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
Toxicity to terrestrial organisms	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Justification: Studies on birds do not need to be conducted due to large mammalian dataset. Accumulation in terrestrial organisms is unlikely.
12.2 Persistence and degradability	
Biodegradability	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> Readily biodegradable.; > 60 %; 28 d; OECD Test Guideline 301B (literature value) Category approach
12.3 Bioaccumulative potential	
Bioaccumulation	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> Bioaccumulation is unlikely. Category approach
12.4 Mobility in soil	
Distribution among environmental compartments	<i>Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:</i> The study is not necessary. Not expected to adsorb on soil. Readily biodegradable. Category approach
12.5 Results of PBT and vPvB assessment	
Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative

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(vPvB) at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Results of PBT assessment

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties**Endocrine disrupting potential**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects**Additional ecological information**

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Can be incinerated, when in compliance with local regulations.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 UN proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class(es)

ADR	Not dangerous goods
RID	Not dangerous goods

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ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

Remarks No information available.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU PIC: Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Not applicable

EU. REACH-Annex XIV: REACH - List of substances subject to authorisation (Annex XIV)

Not applicable

EC 1005/2009: Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Not applicable

EU POP: Regulation (EU) 2019/1021 on persistent organic pollutants (recast)

Not applicable



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UK. REACH Annex XIV: UK REACH List of substances subject to authorisation (Annex XIV)

Not applicable

UK SVHC: UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation

Not applicable

GB POPs: The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Not applicable

Legislation on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: Not applicable

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Notification status

Taiwan Chemical Substance Inventory (TCSI)	ZTW_INV	listed (product or constituents are listed)
Switzerland. Consolidated Inventory	CH INV	not listed (product or constituents are not listed)
US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australian Inventory of Industrial Chemicals	ZAU_AIIC	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances (IECSC)	IECSC	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment**Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.**

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION**Safety datasheet sections which have been updated:**

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
9. Physical and chemical properties
11. Toxicological information
12. Ecological information
15. Regulatory information

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

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transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse

Annex

Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.

Ethene, homopolymer, oxidized, hydrolyzed, distn. residues, from C16-18 alcs. manuf.

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000014947_EN_01.pdf